

Title:

The acceleration of gravity.

Purpose:

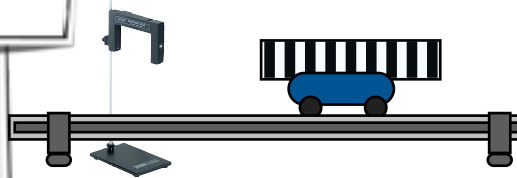
To experimentally find the acceleration of gravity, and compare it to the accepted value of 9.8 m/s^2 .

Method 1:

Which sensor did your group use?



Trial Number	Acceleration
Average Result	
Percent Error	

Method 2

Trial Number	Accel.	Δy	Δx	Angle of incline $\tan^{-1} \frac{y}{x}$	$g = \frac{\vec{a}}{\sin \theta}$
Average Result					
Percent Error					

Conclusions:

In the first paragraph of your conclusion, discuss the possible sources for error in your experiments. Discuss the two experimental methods including an advantage and a disadvantage to each one. Do not invent errors that did not occur.

In the second paragraph of your conclusion, discuss possible applications for the experimental methods used in this lab.